

Supplementary Table S1. Key genetic loci associated with AITD. The table shows genes or non-coding regions at which SNPs predisposing to AITD were found. HT: Hashimoto thyroiditis, GD: Graves' disease. *Gene locations verified by the authors of this study by accessing <https://www.ncbi.nlm.nih.gov/snp/> on March 12th 2021.

Gene	Polymorphism	Effect	References
<i>ABO</i>	rs505922	Increased predisposition to GD	(Zhao et al., 2013, Zhang et al., 2020)
<i>BACH2</i>	rs2474619	Increased predisposition to HT and GD	(Zhang et al., 2020)
<i>C14orf177/VRK1</i>	rs1456988	Increased predisposition to GD	(Zhang et al., 2020)
<i>C1QTNF6-RAC2</i>	rs229527 and rs2284038	Increased predisposition to GD	(Zhao et al., 2013, Zhang et al., 2020)
<i>CD40</i>	rs1883832	Increased predisposition to GD	(Kurylowicz et al., 2005, Zhang et al., 2020)
<i>CTLA4</i>	rs1024161	Increased predisposition to GD and HT	(Chu et al., 2011, Zhang et al., 2020)
<i>CTLA4</i>	rs231775	Increased predisposition to GD and HT	(Chen et al., 2018, Fathima et al., 2019)
<i>ESR2</i>	rs4986938	Increased predisposition to GD	(Kisiel et al., 2008)
<i>FAM76B/SESN3</i>	rs12575636	Increased predisposition to HT and GD	(Zhang et al., 2020)
<i>FCRL3</i>	rs17676303	Increased predisposition to GD (especially in Asian)	(Khong et al., 2016)
<i>FCRL3</i>	rs7528684	Increased predisposition to GD	(Zhang et al., 2020)
<i>FOXP3</i>	rs3761548 and rs3761549	Increased predisposition to GD (especially in Asian)	(Li et al., 2020)
<i>GPR174/ITM2A</i>	rs5912838	Increased predisposition to HT and GD	(Zhao et al., 2013, Zhang et al., 2020)
<i>HLA-B</i>	rs1521	Increased predisposition to HT and GD	(Zhang et al., 2020, Zhao et al., 2013)
<i>HLA-DPB1</i>	rs2281388	Increased predisposition to GD	(Zhang et al., 2020)
<i>IL-17F</i>	rs9463772	Increased predisposition to GD	(Guo et al., 2013)
<i>IL-23A</i>	rs11171806	Increased predisposition to GD	(Jia et al., 2015)
<i>IL6</i>	rs1800795	Increased predisposition to HT	(Duraes et al., 2014)

<i>LPP</i>	rs13093110	Increased predisposition to HT and GD	(Zhang et al., 2020)
<i>PD-L1</i>	rs822339, rs2282055, and rs1411262	Increased predisposition to GD	(Mitchell et al., 2009)
<i>PTPN22/LYP</i>	rs2476601	Increased predisposition to GD	(Velaga et al., 2004, Wawrusiewicz-Kurylonek et al., 2019)
<i>RHOH/CHRNA9</i>	rs6832151	Increased predisposition to HT and GD	(Zhang et al., 2020)
<i>RNASET2</i>	rs9355610	Increased predisposition to HT and GD	(Zhang et al., 2020)
<i>SLAMF6</i>	rs1265883	Increased predisposition to HT and GD	(Zhang et al., 2020, Zhao et al., 2013)
<i>TG</i>	rs2294025 and rs4736437	Increased predisposition to GD	(Chu et al., 2011, Zhao et al., 2013, Zhang et al., 2020)
<i>TNFA</i>	rs1800629, rs1800630, and rs1799964	Increased predisposition to GD	(Li et al., 2008)
<i>TNFA</i>	rs1800629	Increased predisposition to HT and GD	(Duraes et al., 2014)
<i>TRIB2</i>	rs1881145	Increased predisposition to HT and GD	(Zhang et al., 2020)
<i>TSHR</i>	rs179247 and rs12101255	Increased predisposition to GD	(Brand et al., 2009, Xiong et al., 2016)
<i>TSHR</i>	rs12101261	Increased predisposition to GD	(Brand et al., 2009, Zhang et al., 2020)
<i>TSHR</i>	rs3783938	Increased predisposition to GD	(Liu et al., 2012)
<i>VDR</i>	TT subtype of the TaqI polymorphism	Increased predisposition to GD	(Veneti et al., 2019)

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